Appln No.: 10/605,671
Amendment Dated: August 5, 2005
Reply to Office Action of May 9, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A composition comprising:
(a) a bulk resin component comprising a polycarbonate resin;
(b) a polycarbonate-siloxane copolymer in an amount sufficient to provide an amount of siloxane of at least 3% by weight of the total composition; and
(c) a colorant composition comprising titanium dioxide having an organic coating, wherein the amount of titanium dioxide is from 1 to 2.5 % by weight of the total composition.

2. (original) The composition of claim 1, wherein the bulk resin component makes up at least 50% of the composition.

3. (original) The composition of claim 2, wherein the amount of titanium dioxide is from 1 to 1.5% by weight of the total composition.

4. (original) The composition of claim 3, further comprising a rubbery impact modifier.

5. (original) The composition of claim 4, wherein the rubbery impact modifier is selected from the group consisting of acrylic rubbers, ASA rubbers, diene rubbers, organosiloxane rubbers, EPDM rubbers, styrene-butadiene-styrene (SBS) or styrene-ethylene-butadiene-styrene (SEBS) rubbers, ABS rubbers, MBS rubbers and glycidyl ester impact modifiers, and mixtures thereof.

6. (original) The composition of claim 5, wherein the rubbery impact modifier is present in an amount of from 1 to 30% by weight.

7. (original) The composition of claim 6, further comprising an antidrip agent.

8. (original) The composition of claim 7, wherein the antidrip agent is styrene-acrylonitrile copolymer encapsulated polytetrafluoroethylene.

9. (original) The composition of claim 8, further comprising an effective flame-retarding amount of flame retardant.

10. (original) The composition of claim 9, wherein the flame retardant is a phosphate flame retardant.

11. (original) The composition of claim 10, wherein the phosphate flame retardant is bis-phenol A tetraphenyl diphosphate.

12. (original) The composition of claim 9, wherein the flame retardant is a sulfonate.

13. (original) The composition of claim 12, wherein the sulfonate is a perfluoroalkane sulfonate.

14. (original) The composition of claim 13, wherein the perfluoroalkane sulfonate is potassium perfluorobutane sulfonate.

15. (original) The composition of claim 3, wherein the organic coating comprises an organosiloxane.

16. (original) The composition of claim 15, wherein the amount of titanium dioxide is from 1 to 1.5% by weight of the total composition.

17. (original) The composition of claim 16, further comprising an effective flame-retarding amount of flame retardant.

18. (original) The composition of claim 17, wherein the flame retardant is a phosphate flame retardant.

19. (original) The composition of claim 18, wherein the phosphate flame retardant is bis-phenol A tetraphenyl diphosphate.

20. (original) The composition of claim 17, wherein the flame retardant is a sulfonate.

21. (original) The composition of claim 20, wherein the sulfonate if a perfluoroalkane sulfonate.

22. (original) The composition of claim 21, wherein the perfluoroalkane sulfonate is potassium perfluorobutane sulfonate.

23. (original) The composition of claim 15, wherein the organic coating

comprises a trimethylolpropanol.

24. (original) The composition of claim 23, wherein the bulk component further comprises a rubbery impact modifier.

25. (original) The composition of claim 24, wherein the rubbery impact modifier is selected from the group consisting of acrylic rubbers, ASA rubbers, diene rubbers, organosiloxane rubbers, EPDM rubbers, styrene-butadiene-styrene (SBS) or styrene-ethylene-butadiene-styrene (SEBS) rubbers, ABS rubbers, MBS rubbers and glycidyl ester impact modifiers, and mixtures thereof.

26. (original) The composition of claim 23, further comprising an effective flame-retarding amount of flame retardant.

27. (original) The composition of claim 2, wherein the organic coating comprises trimethylolpropanol.

28. (original) The composition of claim 27, wherein the amount of titanium dioxide is from 1 to 1.5% by weight of the total composition.

29. (original) The composition of claim 2, wherein the bulk component further comprises an engineering thermoplastic.

30. (original) The composition of claim 29, wherein the engineering thermoplastic is a styrene acrylonitrile copolymer or polymethyl(methacrylate).

31. (original) An article, having a wall thickness greater than a first thickness, said article being formed from a molding composition comprising:

(a) a bulk resin component comprising a polycarbonate resin;

(b) a polycarbonate-siloxane copolymer; and

(c) a colorant composition comprising titanium dioxide, wherein the titanium dioxide has an organic coating, and the amount of polycarbonate-siloxane copolymer is selected such that molding composition achieves a V0 UL fire rating at the first thickness.

32. (original) The article of claim 31, wherein the bulk resin component makes up at least 50% of the molding composition.

33. (original) The article of claim 32, wherein the first thickness is 1.6 mm, and the polycarbonate-siloxane copolymer is present in an amount sufficient to provide an amount of siloxane of at least 3% by weight of the total composition.

34. (original) The article of claim 32, wherein the organic coating comprises an organosiloxane.

35. (original) The article of claim 34, wherein the amount of titanium dioxide is from 1 to 1.5% by weight of the total composition.

36. (original) The article of claim 35, further comprising an effective flame-retarding amount of flame retardant.

37. (original) The article of claim 36, wherein the flame retardant is a phosphate flame retardant.

38. (original) The article of claim 37, wherein the phosphate flame retardant is bis-phenol A tetraphenyl diphosphate.

39. (original) The article of claim 36, wherein the flame retardant is a sulfonate.

40. (original) The article of claim 39, wherein the sulfonate if a perfluoroalkane sulfonate.

41. (original) The article of claim 40, wherein the perfluoroalkane sulfonate is potassium perfluorobutane sulfonate.

42. (original) The article of claim 34, wherein the organic coating comprises trimethylolpropanol.

43. (original) The article of claim 42, wherein the bulk component further comprises a rubbery impact modifier.

44. (original) The article of claim 43, wherein the rubbery impact modifier is selected from the group consisting of acrylic rubbers, ASA rubbers, diene rubbers, organosiloxane rubbers, EPDM rubbers, styrene-butadiene-styrene (SBS) or styrene-ethylene-butadiene-styrene (SEBS) rubbers, ABS rubbers, MBS rubbers and glycidyl ester impact modifiers, and mixtures thereof.

45. (original) The article of claim 42, further comprising an effective flame-retarding amount of flame retardant.

46. (original) The article of claim 32, wherein the organic coating comprises trimethylolpropanol.

47. (original) The article of claim 46, wherein the first thickness is 1.6 mm, and the polycarbonate-siloxane copolymer is present in an amount sufficient to provide an amount of siloxane of at least 3% by weight of the total composition.

48. (currently amended) A method for forming a light colored, flame retardant polycarbonate article comprising the steps of

forming a blend ~~comprising~~ by combining:

(a) a bulk resin component comprising a polycarbonate resin;

(b) a polycarbonate-siloxane copolymer in an amount sufficient to provide an amount of siloxane of at least 3% by weight of the total composition; and

(c) a colorant composition comprising titanium dioxide having an organic coating comprising an organic polysiloxane, trimethylolpropanol, or mixtures thereof, wherein the amount of titanium dioxide is from 1 to 2.0 % by weight of the total composition; and

forming an article from the blend.

49. (original) The method of claim 48, wherein the bulk resin component makes up at least 50% of the blend.

50. (original) The method of claim 49, wherein the amount of titanium dioxide is from 1 to 1.5% by weight of the total composition.

51. (original) The method of claim 49, wherein the bulk component further comprises a rubbery impact modifier selected from the group consisting of acrylic rubbers, ASA rubbers, diene rubbers, organosiloxane rubbers, EPDM rubbers, styrene-butadiene-styrene (SBS) or styrene-ethylene-butadiene-styrene (SEBS) rubbers, ABS rubbers, MBS rubbers and glycidyl ester impact modifiers, and mixtures thereof.

52. (original) The method of claim 51, wherein the rubbery impact modifier is present in an amount of from 1 to 30% by weight.

53. (original) The method of claim 49, further comprising an effective flame-retarding amount of flame retardant.

54. (original) The method of claim 53, wherein the flame retardant is a phosphate flame retardant.

55. (original) The method of claim 54, wherein the phosphate flame retardant is bis-phenol A tetraphenyl diphosphate.

56. (original) The method of claim 49, wherein the flame retardant is a sulfonate.

57. (original) The method of claim 56, wherein the sulfonate if a perfluoroalkane sulfonate.

58. (original) The method of claim 57, wherein the perfluoroalkane sulfonate is potassium perfluorobutane sulfonate.

59. (original) The method of claim 49, wherein the bulk component further comprises an engineering thermoplastic.

60. (original) The method of claim 59, wherein the engineering thermoplastic is a styrene acrylonitrile copolymer or polymethyl(methacrylate).

61. (previously presented) A method for enhancing the flame retardance of a light colored composition comprising a bulk resin component comprising polycarbonate; a polycarbonate-siloxane copolymer; and a colorant composition comprising titanium dioxide, said method comprising the steps of

(a) including the polycarbonate-siloxane copolymer in the composition in an amount sufficient to provide an amount of siloxane of at least 3% by weight of the total composition; and

(b) selecting as the titanium dioxide a titanium dioxide having an organic coating comprising a polyorganosiloxane, trimethylolpropanol, or mixtures thereof.